

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>078134-0128</b> U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) <b>10/584,409</b>
INTERNATIONAL APPLICATION NO. <b>PCT/KR2005/000346</b>	INTERNATIONAL FILING DATE <b>02/04/2005</b>	PRIORITY DATE CLAIMED <b>02/12/2004</b>
<b>TITLE OF INVENTION</b> <b>POLYMER PATTERN AND METAL FILM PATTERN, METAL PATTERN, PLASTIC MOLD USING THEREOF, AND METHOD OF THE FORMING THE SAME</b>		
<b>APPLICANT(S) FOR DO/EO/US</b> <b>Jun-Bo YOON et al.</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input type="checkbox"/>	This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.	
2. <input checked="" type="checkbox"/>	This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.	
3. <input type="checkbox"/>	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.	
4. <input type="checkbox"/>	The US has been elected (Article 31).	
5. <input type="checkbox"/>	A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). <input type="checkbox"/> has been communicated by the International Bureau. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)	
6. <input type="checkbox"/>	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) <input type="checkbox"/> is attached hereto. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).	
7. <input type="checkbox"/>	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <input type="checkbox"/> are attached hereto (required only if not transmitted by the International Bureau). <input type="checkbox"/> have been communicated by the International Bureau. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. <input type="checkbox"/> have not been made and will not be made.	
8. <input type="checkbox"/>	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).	
9. <input type="checkbox"/>	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).	
10. <input type="checkbox"/>	An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).	
<b>Items 11 to 20 below concern other document(s) or information included:</b>		
11. <input type="checkbox"/>	An Information Disclosure Statement under 37 CFR 1.97 and 1.98.	
12. <input type="checkbox"/>	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.	
13. <input type="checkbox"/>	A preliminary amendment.	
14. <input type="checkbox"/>	An Application Data Sheet under 37 CFR 1.76.	
15. <input type="checkbox"/>	A substitute specification.	
16. <input type="checkbox"/>	A power of attorney and/or change of address letter.	
17. <input type="checkbox"/>	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825	
18. <input type="checkbox"/>	A second copy of the published international application under 35 U.S.C. 154(d)(4).	
19. <input type="checkbox"/>	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).	

U.S. APPLICATION NO. (If known, see 37 CFR, 1.5) 10/584,409	INTERNATIONAL APPLICATION NO. PCT/KR2005/000346	ATTORNEY'S DOCKET NUMBER 078134-0128																																																																																																			
20. Other items or information:																																																																																																					
<p>The following fees have been submitted:</p> <table border="1"> <tr> <td>21. <input checked="" type="checkbox"/> Basic national fee</td> <td>\$330</td> <td>CALCULATIONS</td> <td>PTO USE ONLY</td> </tr> <tr> <td>22. <input checked="" type="checkbox"/> Examination fee If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)</td> <td>\$0</td> <td>\$ 0.00</td> <td rowspan="2"></td> </tr> <tr> <td>All other situations</td> <td>\$220</td> <td>\$ 0.00</td> </tr> <tr> <td>23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)</td> <td>\$0</td> <td></td> <td></td> </tr> <tr> <td>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority</td> <td>\$100</td> <td></td> <td></td> </tr> <tr> <td>International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB</td> <td>\$430</td> <td></td> <td></td> </tr> <tr> <td>All other situations</td> <td>\$540</td> <td>\$ 0.00</td> <td></td> </tr> <tr> <td colspan="2"><b>TOTAL OF ABOVE 21, 22 and 23 =</b></td> <td>\$ 0.00</td> <td></td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) in an electronic medium or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$270.00 for each additional 50 sheets of paper or fraction thereof.</td> <td></td> <td></td> </tr> <tr> <td>Total Sheets</td> <td>Extra sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td>RATE</td> </tr> <tr> <td>48 - 100 = 0</td> <td>/50 = 0</td> <td>x \$ 270.00</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="4">Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the commencement of the national stage (37 CFR 1.492(h))</td> </tr> <tr> <td>CLAIMS</td> <td>NUMBER FILED</td> <td>NUMBER EXTRA</td> <td>RATE</td> </tr> <tr> <td>Total Claims</td> <td>29 - 20 = 9</td> <td>x \$ 52.00</td> <td>\$ 0.00</td> </tr> <tr> <td>Independent Claims</td> <td>8 - 3 = 5</td> <td>x \$ 220.00</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="2">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$ 390.00</td> <td>\$</td> </tr> <tr> <td colspan="2"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td>\$ 0.00</td> <td></td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. +</td> <td>\$ 0.00</td> <td></td> </tr> <tr> <td colspan="2"><b>SUBTOTAL =</b></td> <td>\$ 0.00</td> <td></td> </tr> <tr> <td colspan="2">Processing fee of 130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).</td> <td>\$</td> <td></td> </tr> <tr> <td colspan="2"><b>TOTAL NATIONAL FEE =</b></td> <td>\$ 0.00</td> <td></td> </tr> <tr> <td colspan="2">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 40.00 per property</td> <td>\$</td> <td></td> </tr> <tr> <td colspan="2"><b>TOTAL FEES ENCLOSED =</b></td> <td>\$ 0.00</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>Amount to be refunded:</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>Amount to be charged:</td> <td></td> </tr> </table>			21. <input checked="" type="checkbox"/> Basic national fee	\$330	CALCULATIONS	PTO USE ONLY	22. <input checked="" type="checkbox"/> Examination fee If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)	\$0	\$ 0.00		All other situations	\$220	\$ 0.00	23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)	\$0			Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority	\$100			International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB	\$430			All other situations	\$540	\$ 0.00		<b>TOTAL OF ABOVE 21, 22 and 23 =</b>		\$ 0.00		<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) in an electronic medium or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$270.00 for each additional 50 sheets of paper or fraction thereof.				Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	48 - 100 = 0	/50 = 0	x \$ 270.00	\$ 0.00	Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the commencement of the national stage (37 CFR 1.492(h))				CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total Claims	29 - 20 = 9	x \$ 52.00	\$ 0.00	Independent Claims	8 - 3 = 5	x \$ 220.00	\$ 0.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$ 390.00	\$	<b>TOTAL OF ABOVE CALCULATIONS =</b>		\$ 0.00		<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. +		\$ 0.00		<b>SUBTOTAL =</b>		\$ 0.00		Processing fee of 130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		\$		<b>TOTAL NATIONAL FEE =</b>		\$ 0.00		Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 40.00 per property		\$		<b>TOTAL FEES ENCLOSED =</b>		\$ 0.00				Amount to be refunded:				Amount to be charged:	
21. <input checked="" type="checkbox"/> Basic national fee	\$330	CALCULATIONS	PTO USE ONLY																																																																																																		
22. <input checked="" type="checkbox"/> Examination fee If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)	\$0	\$ 0.00																																																																																																			
All other situations	\$220	\$ 0.00																																																																																																			
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)	\$0																																																																																																				
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority	\$100																																																																																																				
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB	\$430																																																																																																				
All other situations	\$540	\$ 0.00																																																																																																			
<b>TOTAL OF ABOVE 21, 22 and 23 =</b>		\$ 0.00																																																																																																			
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) in an electronic medium or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$270.00 for each additional 50 sheets of paper or fraction thereof.																																																																																																					
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE																																																																																																		
48 - 100 = 0	/50 = 0	x \$ 270.00	\$ 0.00																																																																																																		
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the commencement of the national stage (37 CFR 1.492(h))																																																																																																					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																																																																																																		
Total Claims	29 - 20 = 9	x \$ 52.00	\$ 0.00																																																																																																		
Independent Claims	8 - 3 = 5	x \$ 220.00	\$ 0.00																																																																																																		
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$ 390.00	\$																																																																																																		
<b>TOTAL OF ABOVE CALCULATIONS =</b>		\$ 0.00																																																																																																			
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. +		\$ 0.00																																																																																																			
<b>SUBTOTAL =</b>		\$ 0.00																																																																																																			
Processing fee of 130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		\$																																																																																																			
<b>TOTAL NATIONAL FEE =</b>		\$ 0.00																																																																																																			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 40.00 per property		\$																																																																																																			
<b>TOTAL FEES ENCLOSED =</b>		\$ 0.00																																																																																																			
		Amount to be refunded:																																																																																																			
		Amount to be charged:																																																																																																			

- a.  A check in the amount of \$0.00 to cover the above fees is enclosed.
- b.  Please charge my Deposit Account No. 19-0741 in the amount of \$0.00 to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-0741. A duplicate copy of this sheet is enclosed.
- d.  Fees are to be charge to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038. The PTO-2038 should only be mailed or faxed to the USPTO. However, when paying the basic national fee, the PTO-2038 may NOT be faxed to the USPTO.

ADVISORY: If filing by EFS-Web, do **NOT** attach the PTO-2038 form as a PDF along with your EFS-Web submission. Please be advised that this is not recommended and by doing so your **credit card information may be displayed via PAIR**. To protect your information, it is recommended paying fees online by using the electronic payment method.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status

SEND ALL CORRESPONDENCE TO:

Foley & Lardner LLP  
Customer Number: 22428

  
SIGNATURE  
George C. Beck  
NAME  
38,072  
REGISTRATION NUMBER

August 5, 2009